

This listing of claims will replace the prior version in the application.

Claims

1. (currently amended) Stabilized solution of trans-1,2-dichloroethylene comprising, trans-1,2-dichloroethylene and as additives, at least one acid acceptor, at least one radical scavenger, at least one Lewis base and at least one compound possessing a buffering effect.
2. (currently amended) Solution according to Claim 1, characterized in that the content of each additive in the stabilized solution is between 10 and 10 000 ppm, ~~preferably between 10 and 1 000 ppm.~~
3. (currently amended) Solution according to Claim 1 ~~or 2~~, characterized in that the overall content of additives is less than 50 000 ppm, ~~preferably less than 5 000 ppm.~~
4. (currently amended) Solution according to ~~any one of the preceding claims~~ Claim1, characterized in that it comprises from 200 ppm to 800 ppm of an acid acceptor, from 100 to 700 ppm of a radical scavenger or of a mixture of radical scavengers, from 10 to 100 ppm of a Lewis base and from 10 to 50 ppm of a compound possessing a buffering effect.
5. (currently amended) Solution according to ~~any one of the preceding claims~~ Claim1, characterized in that the acid acceptor is an organic epoxide, preferably propylene oxide, butylene oxide or isopropyl glycidyl ether.
6. (currently amended) Solution according to ~~any one of the preceding claims~~ Claim1, characterized in that the radical scavenger is an alkene, a heterocycle or a phenol derivative.
7. (previously presented) Solution according to Claim 6, characterized in that the alkene is diisobutylene, amylene, isoprene or α -methylstyrene.
8. (previously presented) Solution according to Claim 6, characterized in that the heterocycle is N-methylpyrrole, 1,4-dioxane or tetrahydrofuran.
9. (previously presented) Solution according to Claim 6, characterized in that the phenol derivative is phenol, thymol or ionol.

10. (currently amended) Solution according to ~~any one of the preceding claims~~ Claim 1, characterized in that the Lewis base is an acetal, a ketone, a nitro compound, an ester of a carboxylic acid or an ether.

11. (previously presented) Solution according to Claim 10, characterized in that the acetal is methylal.

12. (previously presented) Solution according to Claim 10, characterized in that the ketone is acetone or methyl ethyl ketone.

13. (previously presented) Solution according to Claim 10, characterized in that the nitro compound is nitromethane or nitroethane.

14. (previously presented) Solution according to Claim 10, characterized in that the ester of a carboxylic acid is methyl formate, methyl acetate or isopropyl acetate.

15. (previously presented) Solution according to Claim 10, characterized in that the ether is tert-butyl methyl ether.

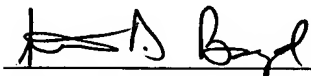
16. (currently amended) Solution according to ~~any one of the preceding claims~~ Claim 1, characterized in that the compound possessing a buffering effect is an amine.

17. (previously presented) Solution according to Claim 16, characterized in that the amine is triethylamine, N-methylmorpholine, diethylamine or N,N-diisopropylamine.

18. (currently amended) Solution according to ~~one of Claims 1 to 4~~ Claim 1, characterized in that ~~it said additives comprise~~ comprises butylene oxide, diisobutylene, isoprene, acetone and diethylamine.

19. (previously presented) Solution according to Claim 18, characterized in that it comprises from 200 to 800 ppm of butylene oxide, from 100 to 500 ppm of diisobutylene, from 50 to 200 ppm of isoprene, from 10 to 100 ppm of acetone and from 10 to 50 ppm of diethylamine.

Respectfully submitted,



Steven D. Boyd
Attorney for the Applicants
Reg. No. 31,000
Tel.: (215) 419-5270

Date: April 19, 2006

Customer No.: 31684